

# Submersible Water Pump

## (Part No. HX2500)



Thank you for purchasing another fine product from Pentair Aquatic Eco-Systems. The submersible water pump will give years of faithful service. Upon receipt, inspect the pump for:

1. Physical damage.
2. Completeness of product contents:
  - a. Aeration tubing with filter attached.
  - b. Two ridged plastic elbow fittings to direct water flow.
  - c. Elbow fitting adapter.
  - d. Spare impeller.

Call PAES when shipping container appears undamaged and parts are missing. Call the shipper if parts have been damaged in shipment or if container appears to have been opened during shipment and parts are missing.

#### Features:

1. Magnetic drive.
2. Fresh or saltwater compatible.
3. Suction cup mounting.
4. Aeration tubing with filter.
5. Attachments to direct pump flow output.

#### Specifications:

Rate	Power
237 gph	22 Watts 115V/60Hz

#### NOTE

If excess plastic is present when fitting pieces together, scrape off the excess with a craft knife. Each piece is designed to fit together without interconnecting plastic tubing.

#### Operation Without Aeration:

1. Connect ridged plastic tubing in the arrangement you wish to direct water flow from pump outlet.
2. Attach the straight adapter to pump outlet. It may be necessary to slightly force the adapter over the outlet due to manufacturing tolerances.
3. Mount pump in desired location, ensuring that it is fully submerged.

#### Operation with Aeration:

1. Connect rubber tubing with filter to aeration fitting.
2. Attach the straight adapter to pump outlet. It may be necessary to slightly force the adapter over the outlet due to manufacturing tolerances.
3. Connect plastic tubing in the arrangement you wish to direct water flow from pump outlet.
4. Mount pump in desired submerged location, ensuring that it is fully submerged.
5. Route tubing to a location external to the tank and secure with retainer (not provided).

#### Maintenance:

Tools Required:

1. Needle nose pliers.
2. Dry, clean towel.

#### Impeller Cleaning or Replacement:

1. Remove pump from tank and wipe clean.
2. Turn pump upside down and locate two scissors tabs at the bottom of the unit. These tabs hold the pump case in place.
3. Hold the pump in one hand. Using needle nose pliers, straddle the tabs and slowly and gently compress the tabs together and push down until the front cover slips loose. Remove the cover.
4. Remove the impeller cover by twisting counter-clockwise.
5. Lift the impeller and magnetic shaft from the pump housing. Reinstall washers on both ends of pump shaft if they should fall off when reassembling the pump.
6. Clean impeller and housing and inspect for excessive wear.

#### If the Impeller is to be Replaced:

7. Compress the shaft at the impeller end and remove old impeller.
8. Snap new impeller onto shaft and install washers if removed.
9. Place shaft assembly in pump housing.
10. Reinstall screen housing and front cover and attach hoses and piping.



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